

METHODS FOR PREPARING AND TESTING A
THERMAL-SPRAY COATED SUBSTRATE

ABSTRACT OF THE DISCLOSURE

A method for fabricating and testing an article having a thermal-spray coating thereon. The method includes providing a substrate article having a surface, thermally spraying a coating material onto the surface of the substrate article, wherein a surface of contact between the coating material and the substrate article is a bondline, and nondestructively testing the coated article. Nondestructively testing includes generating an eddy current in the coated article, measuring the eddy current in the coated article, and evaluating a near-bondline region of the coated article located adjacent to the bondline using the measured eddy current.